

ABSTRACT

The invention relates to a method and a device for determining the parameters of a fluctuating flow of a fluid in a pipe, wherein at least three electrodes that are placed at a distance from one another in the direction of flow are provided in the periphery of the flow, wherein alternating voltage signals are fed to a first upstream transmission electrode arrangement and to a second downstream transmission electrode arrangement and the receiving signals generated by the displacement current are detected in a receiving electrode arrangement located between the transmission electrodes and subjected to a time-discrete cross-correlation. The throughput times of the fluctuations detected by the electrodes are determined on the basis of the results.